

Recombinant Human DMP1 Protein

Catalog #	Source	Reactivity	Applications
CRP1447	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human DMP1 Protein is produced by our mammalian expression system and the target gene encoding Lys17-Tyr513 is expressed with a 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Gene Symbol	DMP1
Alternative Names	Dentin matrix acidic phosphoprotein 1; DMP-1; Dentin matrix protein 1
Entrez Gene	1758 (Human)
SwissProt	Q13316 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	LPVTRYQNNE SEDSEEWKGH LAQAPTPPLE SSESSEGSKV SSEEQANEDP SDSTQSEEG GSDDHQYIYR LAGGFSRSTG KGGDDKDDDE DDSGDDTFGD DDSGPGPKDR QEGGNSRLGS DEDSDDTIQA SEESAPQGQD SAQDTTSESR ELDNEDRVDS KPEGGDSTQE SESEHWVGG GSDGESSHGD GSELDDEGMQ SDDPESIRSE RGNSRMNSAG MKSKESGENS EQANTQDSGG SQQLEHPSRK IFRKSRISSE DDRSELDDNN TMEEVKSDST ENSNSRDTGL SQPRRDSKGD SQEDSKENLS QEESQNVDP SSESQEANL SSQENSSESQ EEVSESRGD NPDPTTSYVE DQEDSDSSEE DSSHTLSHSK SESREEQADS ESSESLNFSE ESPESPEDEN SSSQEGLQSH SSSAESQSEE SHSEEDSDS QDSSRSKEDS NSTESKSSSE EDGQLKNIEI ESRKLTVDAY HNKPIGDQDD NDCQDGYVDH HHHHH
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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